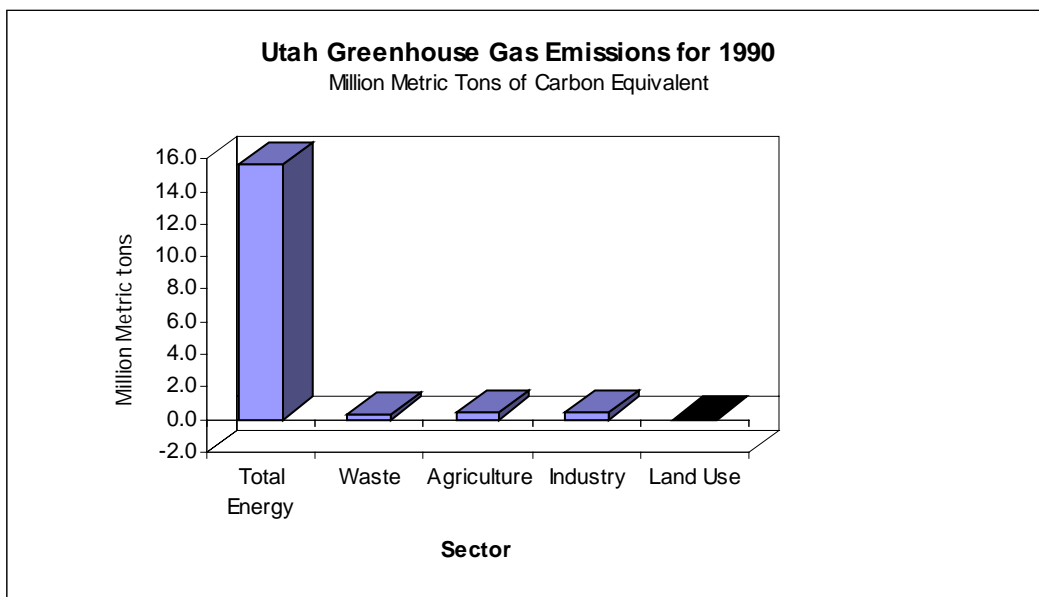


UTAH GREENHOUSE GAS EMISSIONS AND SINKS INVENTORY: SUMMARY



This report provides a detailed inventory of greenhouse gas emissions and sinks for Utah in 1990. Emissions were estimated using methods from EPA's 1995 guidance document ***State Workbook: Methodologies for Estimating Greenhouse Gas Emissions***. In 1990, Utah emitted 16.9 million metric tons of carbon equivalent (MMTCE). In addition, Utah estimated emissions of 0.4 MMTCE from biomass fuels and from other sources not included in the workbook.¹ Emissions from these sources are not included in the reported total or the table below.

The principal greenhouse gas was carbon dioxide, comprising 53.4 million metric tons. Other emissions included methane, with 0.4 million metric tons (2.3 MMTCE) and 0.001 million metric tons of nitrous oxide (0.1 MMTCE).

The major source of carbon dioxide emissions was fossil fuel combustion (97%), with minor emissions from cement and lime production and limestone use. Sources of methane emissions were coal mining (51%), domesticated animals (21%), natural gas/oil extraction (15%), and landfills (13%). Nitrous oxide emissions were from nitric acid production (72%) and fertilizer use (28%).

Utah's emissions in 1990 were 9.8 MTCE per capita, compared to 1990 U.S. emissions of 6.4 MTCE per capita.

¹ These include other carbon dioxide emissions and methane emissions from big game animals.

Utah Greenhouse Gas Emissions for 1990

BY SECTOR	CO ₂ (MMTCE)	Methane (MMTCE)	Nitrous Oxide (MMTCE)	PFCs (MMTCE)	Total GHG Emissions (MMTCE)
Energy - Residential	0.7	*	*	*	0.7
Energy - Commercial	0.4	*	*	*	0.4
Energy - Industrial	2.2	*	*	*	2.2
Energy - Transport	2.8	*	*	*	2.8
Energy - Utility	8.1	*	*	*	8.1
Total Energy	14.2	1.5	*	*	15.7
Waste	*	0.3	*	*	0.3
Agriculture	*	0.4	0.03	*	0.5
Industry	0.4	*	0.1	*	0.5
Land Use	-0.003	*	*	*	-0.003
Total	14.6	2.3	0.1	*	16.9

All emissions are reported in million metric tons of carbon dioxide equivalent (MMTCE).

An asterisk (*) indicates that emissions of the gas from this sector were zero, insignificant, or not reported.

Emissions due to coal mining and extraction of natural gas and oil are included in the total energy figures, and emissions from biofuel combustion are excluded.